BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2000000.00

Name of Work: Detailed Estimate for the work of Construction of CC roads at Chikkabommasandra in ward no-04 yelahanka division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)	cum							
	RCC drain		1	62.00	1.50	1.20	111.60		
	for road cutting portion		1	100.00	1.00	0.30	30.00		
			1	80.00	1.00	0.30	24.00		
			1	60.00	1.00	0.30	18.00		
			1	50.00	1.00	0.30	15.00		
							198.60	190.80	37893.00
	Basic Rate	180.00							
	Area Weightage 6%	10.80							
	Grand Total	190.80							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19	cum							
			Vide Item No. 1				198.60	87.56	17389.00
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	RJRB 4-1.2 Providing and laying in osition plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)	Cum							
	for rcc drain		1	62.00	1.20	0.15	11.16		
	for road cutting portion		1	100.00	1.00	0.15	15.00		
			1	80.00	1.00	0.15	12.00		
			1	60.00	1.00	0.15	9.00		
			1	50.00	1.00	0.15	7.50		
							54.66	5505.64	300938.00
	Basic Rate	5194.00							
	Area Weightage 6%	311.64							
	Grand Total	5505.64							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 265 Ite mo 37.59.2 SR 2018-19	**Cum**							
	drain		1	62.00	0.90	0.15	8.37		
			2	62.00	0.15	1.20	22.32		
							30.69	7070.20	216984.00
	Basic Rate	6670.00							
	Area Weightage 6%	400.20							
	Grand Total	7070.20							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	(SRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No 239, I.No 29.29.2 of PW, P&IWTD S R 2018-19)	Tonne							
	for RCC drain 75 kg/cum		0.075	30.69			2.30		
				30.69			2.30	73992.24	170312.00
	Basic Rate	69804 00							
	Area Weightage 6%	4188 24							
	Grand Total	73992.24							
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc	sqm							
			1	62 00	0 90		55 80		
							55.80	2337.00	130405.00
	Data Rate	2337 00							
7	KSRRB M600-6 cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @	Cum							
	for road cutting portion		1	100 00	3.50	0.15	52.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	80.00	3.50	0.15	42.00		
			1	60.00	3.50	0.15	31.50		
			1	50.00	3.50	0.15	26.25		
							152.25	5210.96	793369.00
	Basic Rate	4916.00							
	Area Weightage 6%	294.96							
	Grand Total	5210.96							
8	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 177 Item No 22.7 SR 2018-19	Sqm							
			1	100.00	3.50		350.00		
			1	80.00	3.50		280.00		
			1	60.00	3.50		210.00		
			1	50.00	3.50		175.00		
							1015.00	72.08	73161.00
	Basic Rate	68.00							
	Area Weightage 6%	4.08							
	Grand Total	72.08							
9	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials, Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications do- for concrete pavement Item no 22.8.1 Page No 178 SR 2018-19	Rmt							
	for cc road		27	3.50			94.50		
			23	3.50			80.50		
			17	3.50			59.50		
			15	3.50			52.50		
							287.00	143.10	41070.00
	Basic Rate	135.00							
	Area Weightage 6%	8.10							
	Grand Total	143.10							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Sub total		1781521
							GST 12%		213783
7	Miscellaneous charges								
									4696.48
								Total	2000000.00

(Rupees Twenty Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

1995304

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval

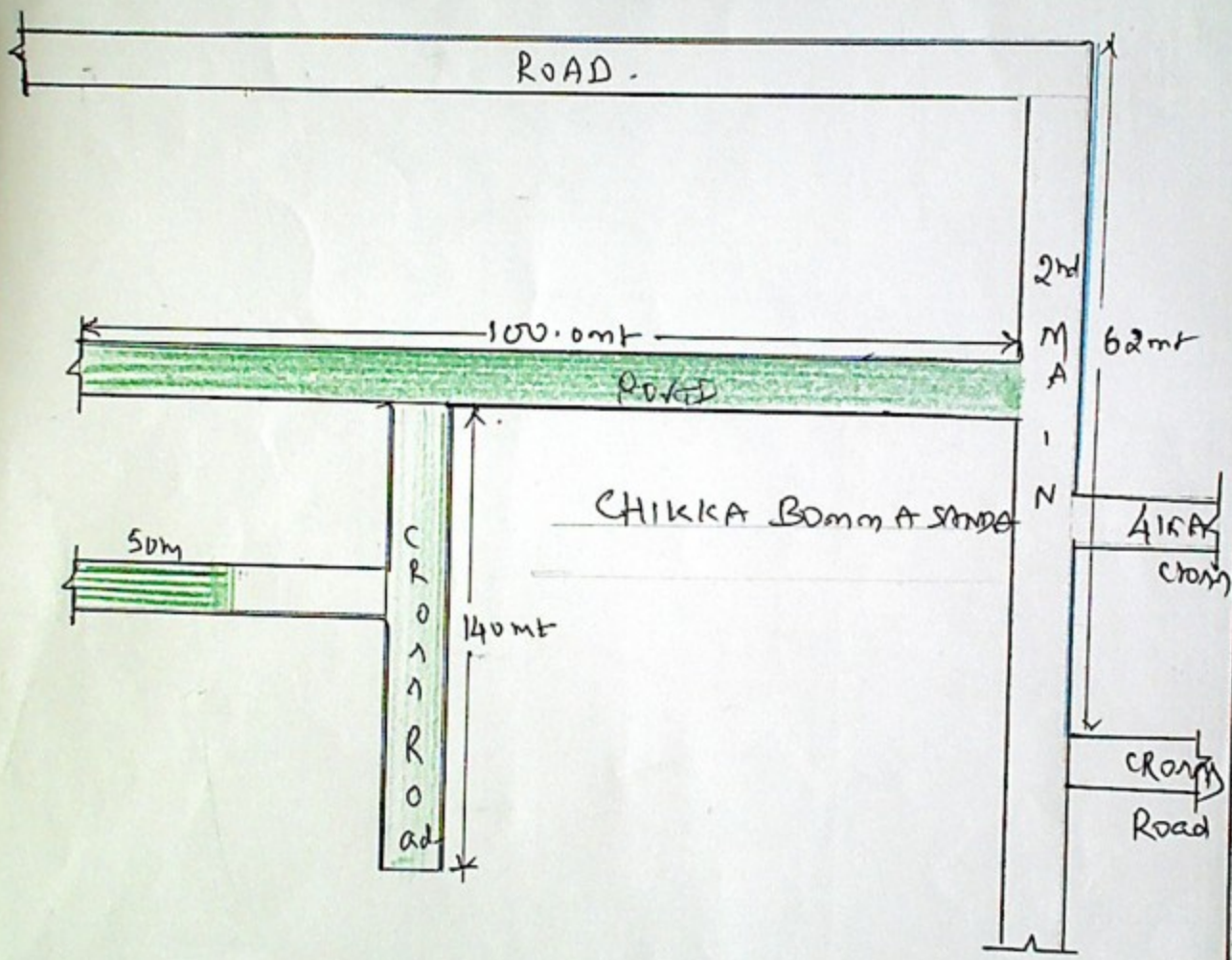
Accorded For Rs.20 lakhs only
Head of A/C.....
CER NO :.....216..... Dt:.....25.02.19

AA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lacs
Rupees Twenty lacs only
Under P-1771-2018-19
Registered as CE ( ) No 99
Subject to conditions contained in enclosed memo EE ( ) No /9/
Dt Estimate A/ Sanctioned
EE/TS/26/18-19 No
Dated 25.02.19 Rs. 20.00 lacs

Executive Engineer

Construction of CC roads at Chikkabommasandra in ward no-04 of yelahanka sub division



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PROPOSED CC ROAD & RCC DRAIN.

A.E.

Ramalayeerish

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

A.E.E.